

Workshop on In-Situ Characterization of Surface and Interface Structures and Processes

Advanced Photon Source & Center for Nanoscale Materials

Argonne National Laboratory – Argonne, Illinois

September 8-9, 2005

Scope

The workshop will cover a broad range of interfacial processes, from natural systems to processes critical to the synthesis and fabrication of new materials. Highlighted themes will include surfaces, interfaces, and nanostructures; thin film growth processes; interfaces in catalytic, geochemical, and environmental systems; and electrocatalysts and electrode surface chemistry.

Confirmed Speakers

M. J. Bedzyk, *Northwestern University*
G. E. Brown, Jr., *Stanford University*
T. Chiang, *University of Illinois at Urbana-Champaign*
G. Eres, *Oak Ridge National Laboratory*
D. Fong, *Argonne National Laboratory*
R. J. Hamers, *University of Wisconsin, Madison*
J. S. Harris, *Stanford University*
R. Hull, *University of Virginia*
K. Ludwig, *Boston University*
P. F. Lyman, *University of Wisconsin, Milwaukee*
N. M. Markovic, *Lawrence Berkeley National Laboratory*
A. Munkholm, *Lumileds*
C. Park, *Argonne National Laboratory*
I. K. Robinson, *University of Illinois at Urbana-Champaign*
J. F. Van der Veen, *Swiss Light Source*
K. Wahl, *Naval Research Laboratory*

Goals

- Identify scientific and technological opportunities in surface and interface science
- Assess the applicability of existing and future x-ray tools to these fields
- Appraise interest in developing dedicated facilities at the Advanced Photon Source

Scientific Advisory Committee

Gordon E. Brown, Jr., *Stanford University*
Ian K. Robinson, *University of Illinois at Urbana-Champaign*
Katherine T. Faber, *Northwestern University*
Gerhard Materlik, *Diamond Light Source*
Keng S. Liang, *NSRRC, Taiwan, R.O.C.*
Ron Pindak, *NSLS, Brookhaven National Laboratory*

Local Organizing Committee

Paul Fenter, Paul Fuoss, Paul Zschack
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surface-interface@anl.gov

Deadlines

Preregistration or active Argonne user badge required for site access.

- August 15** Registration for non-U.S. citizens without active badge
- August 24** Accommodation at Argonne Guest House